

Claims

1. A condensate drain pan, comprising:

an inner front wall, an inner back wall and opposed inner side walls defining an inner perimeter of said pan;

5 an outer front wall, an outer back wall and opposed outer side walls defining an outer perimeter of said pan, said outer front wall having a drain opening to allow condensate to drain from said pan; and

10 a trough intermediate said inner perimeter and said outer perimeter, said trough defining a bottom part of said pan and being adapted to conduct condensate to said drain opening, a portion of said trough between said inner back wall and said outer back wall including a central hump to facilitate drainage of condensate toward both of said outer side walls.

2. The drain pan of claim 1 wherein said trough includes a front trough between said inner front wall and said outer front wall, a back trough between said 15 inner back wall and said outer back wall, a first side trough between a first inner side wall and a first outer side wall and a second side trough between a second inner side wall and a second outer side wall, said hump being located in said back trough, said back trough being sloped from said hump in one direction toward said first side trough and in an opposite direction toward said second side trough.

20 3. The drain pan of claim 2 wherein said first and second side troughs are sloped downwardly from said back trough to said front trough to conduct condensate from said back trough to said front trough.

25 4. The drain pan of claim 2 further including first and second drain openings in said outer front wall, said first opening being generally aligned with said

first side trough and said second drain opening being generally aligned with said second side trough.

5. The drain pan of claim 2 wherein said front trough is defined by first and second surfaces in downwardly converging relationship and intersecting at a lowermost portion of said front trough, the intersection of said first and second surfaces defining a non-flat lowermost portion of said front trough.

6. The drain pan of claim 5 wherein said first surface is relatively straight with a predetermined downward slope and said second surface is curved with a predetermined radius of curvature.

10 7. The drain pan of claim 2 wherein said back trough is defined by first and second surfaces in downwardly converging relationship and intersecting at lowermost portion of said back trough, the intersection of said first and second surfaces defining a non-flat lowermost portion of said back trough.

15 8. The drain pan of claim 7 wherein said first and second surfaces are curved and have different radii of curvature.

9. The drain pan of claim 2 wherein each of said front trough and said back trough is defined by inner and outer surfaces in downwardly converging relationship and intersecting at a lowermost portion of each of said front trough and said back trough, the intersection of said inner and outer surfaces defining a non-flat lowermost portion in each of said front trough and said back trough.

10. The drain pan of claim 2 wherein respective lowermost portions of said first side trough and said second side trough are sloped downwardly from said back trough to said front trough.

11. A condensate drain pan, comprising:

an inner front wall, an inner back wall and opposed inner side walls defining an inner perimeter of said pan;

5 an outer front wall, an outer back wall and opposed outer side walls defining an outer perimeter of said pan, said outer front wall having a drain opening to allow condensate to drain from said pan; and

10 a trough intermediate said inner perimeter and said outer perimeter, said trough defining a bottom part of said pan and being adapted to conduct condensate to said drain opening, said trough including a front trough between said inner front wall and said outer front wall, a back trough between said inner back wall and said outer back wall, a first side trough between a first inner side wall and a first outer side wall and a second side trough between a second inner side wall and a second outer side wall, at least one of said front trough and said back trough being 15 defined by first and second surfaces in downwardly converging relationship and intersecting at a lowermost portion of said at least one of said front trough and said back trough, the intersection of said first and second surfaces defining a non-flat lowermost portion of said at least one of said front trough and said back trough.

12. The drain pan of claim 11 wherein said first and second side troughs 20 are sloped downwardly from said back trough to said front trough to conduct condensate from said back trough to said front trough.

13. The drain pan of claim 11 further including first and second drain 25 openings in said outer front wall, said first opening being generally aligned with said first side trough and said second drain opening being generally aligned with said second side trough.

14. The drain pan of claim 11 wherein said back trough has a central raised portion for directing condensate away from a central portion of said back trough in the direction of both of said first and second side troughs.

15. The drain pan of claim 11 wherein said at least one of said front 5 trough and said back trough includes at least said front trough.

16. The drain pan of claim 15 wherein said first surface of said front trough is relatively straight and is sloped downwardly and inwardly from said outer front wall, said second surface of said front trough being curved and extending generally downwardly and outwardly from said inner front wall.

10 17. The drain pan of claim 11 wherein said at least one of said front trough and said back trough includes at least said back trough.

18. The drain pan of claim 17 wherein said first surface of said back trough is curved and extends generally downwardly and outwardly from said inner back wall, said second surface of said back trough being curved and extending 15 generally downwardly and inwardly from said outer back wall, said first and second surfaces having different radii of curvature.

19. The drain pan of claim 11 wherein said at least one of said front trough and said back trough includes both said front trough and said back trough.

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20. The drain pan of claim 11 wherein respective lowermost portions of said first side trough and said second side trough are sloped downwardly from said back trough to said front trough, such that said lowermost portions define condensate channels between said front and back troughs, said condensate channels being deeper 25 proximate to said front trough than proximate to said back trough.